

Converting Colors

CIELCh(90, 3.764, 37.540)

Have a look what the booklet for
CIELCh(90, 3.764, 37.540) contains.

CIELCh(90, 3.755, 35.495)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(90, 3.755, 35.495)

Conversions

Conversions Part 1

Format	Color
Hex	EAE0DE
RGB	234, 224, 222
RGB Percent	92%, 88%, 87%
CMY	0.0812, 0.1204, 0.1282
CMYK	0.00, 0.04, 0.05, 0.08
HSL	10°, 22%, 90%
HSV	10°, 5%, 92%
XYZ	73.9896, 76.3034, 80.1433
YIQ	226.7620, 6.6020, 1.4980

Conversions

Conversions Part 2

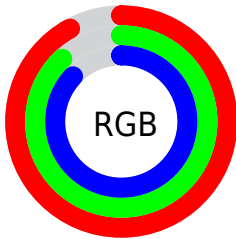
Format	Color
RYB	234, 224, 222
Decimal	15392990
CIELab	90.00, 3.06, 2.18
CIELCh	90, 3.755, 35.495
Yxy	76.3034, 0.3211, 0.3311
Android (android.graphics.Color)	4293583070 (0xFFEAE0DE)
YUV	226.7620, -2.3477, 6.3477
Hunter-Lab	87.3518, -1.6707, 6.7490

Details

The CIELCh color **90, 3.755, 35.495** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 3.638, 215.944**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 3.601, 37.181** is the 20% darker color. If you saturate the color by 10%, you get **85, 11.554, 35.665**, and if you desaturate by 10%, it is **95, 3.436, 215.955**.

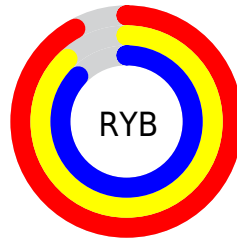
Distribution



Red (92%)

Green (88%)

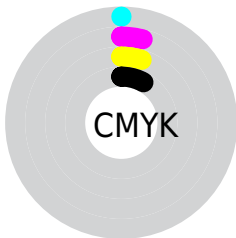
Blue (87%)



Red (92%)

Yellow (88%)

Blue (87%)

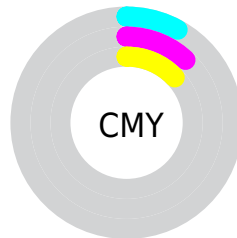


Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 3.755, 35.495 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 90, 3.755, 35.495 by changing the saturation by 10% instead.

 90, 3.755, 35.495	 90, 3.755, 35.495
 100, 3.755, 35.495	 80, 3.755, 35.495
	 70, 3.755, 35.495
	 60, 3.755, 35.495
	 50, 3.755, 35.495
	 40, 3.755, 35.495
	 30, 3.755, 35.495
	 20, 3.755, 35.495
	 10, 3.755, 35.495
	 0, 3.755, 35.495

90, 3.755, 35.495

90, 3.755, 35.495

85, 11.554, 35.665

95, 3.436, 215.955

79, 20.020, 35.842

99, 7.086, 199.050

74, 29.192, 36.179

69, 39.078, 36.730

65, 49.629, 37.542

61, 60.699, 38.640

57, 71.969, 39.980

54, 82.730, 41.332

52, 91.445, 42.074

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90, 3.755, 35.495



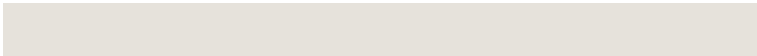
91, 3.638, 215.944

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



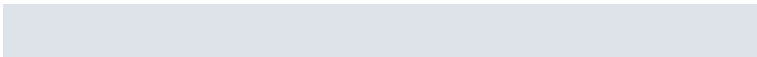
90, 3.755, 35.495



90, 3.755, 85.495



90, 3.755, 215.495



90, 3.755, 265.495

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90, 3.754, 35.532



99, 1.549, 35.286



90, 6.771, 329.651



53, 0.880, 35.264



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 3.754, 35.532



96, 4.727, 35.555



92, 4.359, 90.430



47, 2.935, 35.566



39, 77.704, 42.602



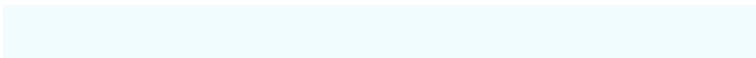
9, 25.415, 32.202

Inverse Universe

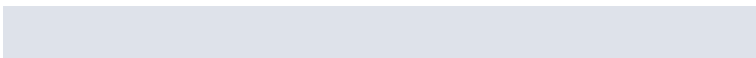
The Inverse Universe completely reimagines the original color for something new.



91, 3.638, 215.944



98, 4.553, 215.932



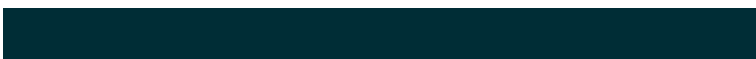
90, 4.372, 271.837



48, 2.816, 215.928



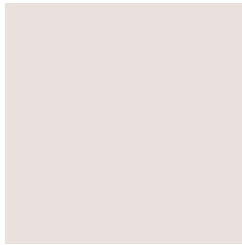
57, 33.670, 228.300



16, 14.457, 223.023

Previews

White Background



This preview shows how the CIELCh color 90, 3.755, 35.495 looks on a white background.

Color Contrast Check

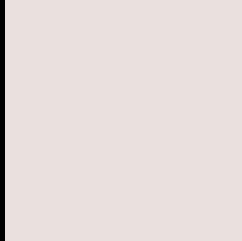
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 90, 3.755, 35.495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

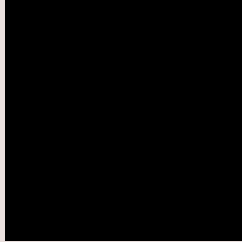
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

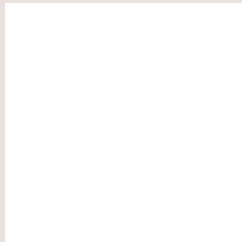
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 3.755, 35.495

Background



This preview shows how black text looks on a background with the CIELCh color 90, 3.755, 35.495.

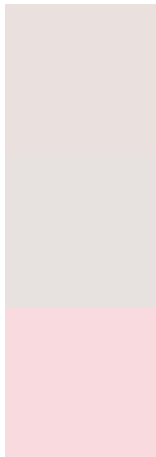


This preview shows how white text looks on a background with the CIELCh color 90, 3.755, 35.495.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90, 3.755, 35.495

Protanopia

90, 2.385, 45.019

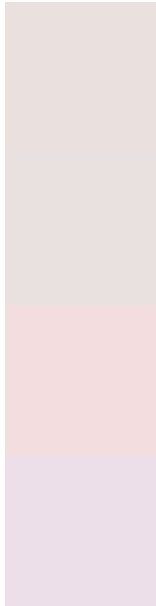
Deuteranopia

90, 11.155, 9.503



Tritanopia
90, 10.354, 321.529

Trichromacy



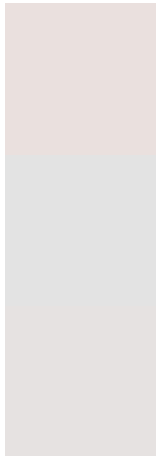
Original Color
90, 3.755, 35.495

Protanomaly
90, 2.717, 41.744

Deuteranomaly
90, 8.442, 12.915

Tritanomaly
90, 6.998, 331.927

Monochromacy



Original Color
90, 3.755, 35.495

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.518, 39.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 3.755, 35.495 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(234, 224, 222)` looks like.

```
.text, #text, p{  
    color:rgb(234, 224, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 224, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 3.755, 35.495 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 224, 222) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(234, 224, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(234, 224, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 224, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 224, 222);  
box-shadow:4px 4px 4px 4px rgb(234, 224,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 3.755, 35.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 224, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234,  
224, 222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor